

Title (en)
AXIAL FACE SEAL SYSTEM

Title (de)
GLEITRINGDICHTUNGSSYSTEM

Title (fr)
SYSTÈME DE JOINT À FACE AXIALE

Publication
EP 3460170 A1 20190327 (EN)

Application
EP 18196468 A 20180925

Priority
US 201715716153 A 20170926

Abstract (en)
A technique facilitates enhanced sealing capability in a space saving format when utilizing a plurality of uniquely constructed seals. As a result, the seals are useful in swivels (22) and other types of structures to provide secure sealing between seal surfaces while reducing the overall seal area. Each seal (74) comprises a body (96) having a seal base (98) combined with lips (100) which may be activated when the activation fluid (88) is supplied under pressure. In swivel applications, the seals (74) may be constructed in a vertical orientation as axial face seals. The vertical orientation of the seals enables construction of the swivel (22) with a reduced cross-section and thus a reduced hydraulic loading.

IPC 8 full level
E21B 17/05 (2006.01); **B63B 27/34** (2006.01); **F16L 39/06** (2006.01)

CPC (source: EP US)
B63B 21/507 (2013.01 - EP US); **E21B 17/05** (2013.01 - EP US); **E21B 33/038** (2013.01 - EP US); **E21B 33/076** (2013.01 - US); **F16L 27/0804** (2013.01 - US); **F16J 15/3268** (2013.01 - US); **F16L 39/06** (2013.01 - EP US)

Citation (search report)

- [X1] EP 0954715 A1 19991110 - SINGLE BUOY MOORINGS [CH]
- [X1] US 2016348818 A1 20161201 - PERRATONE RENÉ [FR]
- [X1] EP 1196713 A1 20020417 - FRAMO ENG AS [NO]
- [X1] EP 0854996 A1 19980729 - FRAMO ENG AS [NO]

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GB2611996A; GB2611996B; US12071828B2; WO2021026610A1

Designated contracting state (EPC)
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BA ME

DOCDB simple family (publication)
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